Amendments to the Specification

Please insert the following new section as the first paragraph immediately following the title:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims the benefit of U.S. Provisional Application 60/448,695, filed February 18, 2003.

Please replace the second paragraph beginning on page 4 ([0015] in the application as published) with the following amended paragraph:

The windowed complex sinusoid components are input to respective correlators 16, 18 together with an input sinusoidal test signal, either multi-burst or swept sinusoid signal, to produce a complex correlation 20, the magnitude of which is taken as the square root of the sum of the squares. In other words the windowed complex sinusoid, or each component, slides along the input signal and compared at all points thereof to produce the complex correlation 20. A maximum value M 22 of the complex correlation C 20 is obtained (see FIGS. 4 and 5) when the windowed complex sinusoid aligns with the corresponding burst or swept frequency range of the input signal (see FIGS. 6 and 7). The complex correlation C 20 is thresholded 24 using P percent of the maximum complex correlation M. See FIG. 8. A marker for the frequency f is found 26 via a centroid of the thresholded complex correlation magnitude. The frequency response at f is the complex correlation magnitude 28 at the marker.